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2. Introduction and Specification

1) Instroduction

(1) High Performance Note PC

- High Performance with Intel Core 2 Duo Processor and DDR II Memory
- New nVIDIA PCI-Express Graphics
- New Intel Santarosa Platform
- Wireless network function with Wireless LAN (Option), Bluetooth (Option)

(2) Convenient Function

- Easy use of picture and moving image through Internal Camera (Option)
- Convenient connection with TV with HDMI port

(3) Prudent Design for easy use.

- Use of Various memory card through Multi card slot (Home model only)
- Good feeling and design through the Flat type touchpad**.**

2. Introduction and Specification

2) Specification

Processor and Motherboard	***Description***
CPU	**Intel® Core 2 Duo T7100 (1.86GHz) ~ T7700 (2.4G) and All CPU at Q4'07.35W (64bit)**
Speed	T7100 : 1.86GHz T7300 : 2.0GHz T7500 : 2.2GHz T7700 : 2.4GHz
Cache	4MB/2MB L2 Cache in Merom
Chipset	Intel PM965+ ICH8M
BIOS	8 Mbit, Flash upgradable, SPI type
Thermal Design Performance	MAX. 35W
Memory	
Memory / Max. Memory	**512MB ~ 4GB**
Memory type	PC2-4200(533MHz) / PC2-5300(667MHz) DDR2 SODIMM
Memory Modules	512MB, 1GB, 2GB SODIMM
Sockets	2-slot SODIMM's
Display and Graphics	
LCD	**15.4" WXGA / WSXGA+ (200nits 이상, Glare only)**
LCD Vendor	Samsung AMLCD WXGA (LTN154X3-L03-C)
	Samsung AMLCD WSXGA+ (LTN154P4-L02-G)
15.4" WXGA	
LCD Viewable Area	331.2 x 207.0mm (HxV)
LCD Resolution	1280 x 800 x 262,144 color (18 bit)
Dot Pitch	0.25875 x 0.25875mm (HxV)
Viewing angle	Hor. +45/-45,Ver. +15/-30
Contrast Ratio	min.300 (CR)
Brightness	min.175, typ.200(cd/m2)
Response time	(Rising + Falling) typ.25ms / max.35ms
15.4" WSXGA+	
LCD Viewable Area	331.38 x 207.1125mm (HxV)
LCD Resolution	1680 x 1050 x 262,144 color (18 bit)
Dot Pitch	0.19725 x 0.19725mm (HxV)
Viewing angle	Hor. +65/-65,Ver. +50/-50
Contrast Ratio	typ.300 (CR)
Brightness	min.170, typ.200(cd/m2)
Response time	(Rising + Falling) typ.25ms / max.35ms

2. Introduction and Specification

Graphics Controller	**Factory option**
	NVIDIA GeForce 8600M GS (Physical 256MB + TurboCache)
	NVIDIA GeForce 8400M GS (Physical 128MB + TurboCache)
NVIDIA External GFx	**NVIDIA GeForce 8400M GS, 8600M GS.**
Video Memory	NVIDIA GeForce 8600M GS (Physical 256MB + TurboCache) NVIDIA GeForce 8400M GS (Physical 128MB + TurboCache)
Max.Resolution for LFP LVDS	1680 * 1050 x 18Bits color (WSXGA+)
Max.Resolution for External Monitor	2048 x 1536 @85HZ (CRT)
Audio	
Sound	**High Definition Audio**
Controller	HD Audio Codec, ALC262
Conversion	Built-in high performance 20-bit ADC & 24-bit DAC
Internal Interfaces	Embedded 2 stereo speakers, Internal microphone
Speaker Power Rating	2 Speakers x 2 Watt with enclosure each
External Interfaces	Microphone, Headphone, S/PDIF for HDMI
Controls	Keyboard volume control, SRS enable / disable
Microphone	**Mono Microphone**
Microphone	Mono
Sensitivity	-44dB
Output Impedance	2.2KΩ
Storage	
Hard Disk Drive	**9.5mmH 2.5" HDD, Removable**
Supports	SMART Ultra DMA 33/66/100, DMA Mode 2/4 ; SATA
Average Access Time	13m sec.
Speed	5400 / 7200 RPM , Hybrid HDD, TMR/PMR Type
Capacity	80GB / 100GB / 120GB / 160GB / 2000GB / 250GB : HGST, Hitachi, Samsung - 80 ~ 250 GB SATA 5400rpm - 80 ~ 200 GB SATA 7200rpm - 80 ~ 160GB SATA 5400rpm, Hybride + 256MB - 120 ~ 250GB SATA 5400rpm, Hybride + 5126MB

2. Introduction and Specification

Optical Disk Drive	**DVD / Combo / Super Multi DL & w/LightScribe (12.7mm/PATA) Blueray / HD-DVD**
Type	Fixed type (Factory Option)
S/W supplied	Cyberlink DVD Solution
Security	RPC-II Regional Encoding
Optical Driver Modules	
Combo Drive 1	**Factory Option**
Module type	Fixed 12.7mm Slim
Speed	8x DVD-ROM, 24x RW, 24x CD-R : TSST, TS-L332A
Average Access Time	DVD 130ms Typ, CD 130ms Typ
Weight	176g or less
S/W Supplied	Cyberlink DVD Solution
Security	RPC-II Regional Encoding
Combo Drive 2	**Factory Option**
Module type	Fixed 12.7mm Slim
Speed	8x DVD-ROM, 24x RW, 24x CD-R, 24x CD : TSST, TS-L462D
Average Access Time	DVD 130ms Typ, CD 130ms Typ,.
Weight	176g or less
S/W supplied	Cyberlink DVD Solution
Security	RPC-II Regional Encoding
Super Multi Dual Layer 1	**Factory Option**
Module type	Fixed 12.7mm Slim
Speed	5x DVD-RAM, 8x DVD±R 2.4x DVD+R DL, 4x DVD±RW, 24x CD-R, 16x CD-RW, 8x DVD, 24x CD : Panasonic UJ-850
Average Access Time	DVD 130ms Typ., CD 130ms Typ.
Weight	190g or less
S/W supplied	Cyberlink DVD Solution
Security	RPC-II Regional Encoding
Super Multi Dual Layer 2	**Factory Option**
Module type	Fixed 12.7mm Slim
Speed	5x DVD-RAM, 8x DVD±R, 6x DVD±R DL, 8x DVD+RW, 6x DVD-RW, 24x CD-R/RW, 8x DVD, 24x CD : *TSSTTS-L632D*
Average Access Time	DVD 130ms Typ., CD 130ms Typ.
Weight	180g or less
S/W supplied	Cyberlink DVD Solution
Security	RPC-II Regional Encoding

2. Introduction and Specification

Super MultiDual Layer 3	**Factory Option**
Module type	Fixed 12.7mm Slim
Speed	5x DVD-RAM, 8x DVD±R, 6x DVD±R DL, 8x DVD+RW, 6x DVD-RW, 24x CD-R/RW, 8x DVD, 24x CD : *TeacDV-W28EC*
Average Access Time	DVD 130ms Typ., CD 130ms Typ.
Weight	180g or less
S/W supplied	Cyberlink DVD Solution
Security	RPC-II Regional Encoding
Super MultiDual Layer Lightscribe	**Factory Option**
Module type	Fixed 12.7mm Slim
Speed	5x DVD-RAM, 8x DVD±R, 6x DVD±R DL, 8x DVD+RW, 6x DVD-RW, 24x CD-R/RW, 8x DVD, 24x CD : *TSST TS-L632M*
Average Access Time	DVD 130ms Typ., CD 130ms Typ.
Weight	180g or less
S/W supplied	Cyberlink DVD Solution
Security	RPC-II Regional Encoding
Network Tools	__
Fax/Modem	**56Kbps / V.92 Azalia Modem, DELPHI (D40) (Factory Opeion)**
Chipset	CSP1040 AGR A3 & A3 5V1
Features	RJ11 Output
LAN	**10/100 Ethernet (Factory option)**
Chipset	Marvell 88E8039
Features	RJ45 Output
LAN	**1Gb Ethernet (Factory option)**
Chipset	Marvell 88E8055
Features	RJ45 Output
802.11g Wireless LAN	**Intel PRO/Wireless 3945BG:***Intel 802.11b/g*
Type	Mini card (Factory Option)
Chipset	Golan
Antenna	Integrated 2 Antenna
802.11a/g Wireless LAN	**Intel PRO/Wireless 3945ABG:***Intel 802.11a/b/g*
Type	Mini card (Factory Option)
Chipset	Golan
Antenna	Integrated 2 Antenna
802.11a/g/n Wireless LAN	**Intel PRO/Wireless 3945ABGN:***Intel 802.11a/b/g/n*
Type	Mini card (Factory Option)
Chipset	Kedron
Antenna	Integrated 3 Antenna

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Bluetooth	**BCM92045NMD : Factory Option**
Type	USB daughter card with integrated PIFA antenna
Chipset	Broadcom BCM2045
Standard	version 2.0
I/O Interface	
PC CardBus Slots	**1 PCMCIA Type II slot**
Controller	Ricoh R5C843
Support	32bit CardBus cards
I/O Ports	
USB Port	3 (USB2.0)
Video (CRT) Port	1
Audio Jacks	HeadPhone-out, MIC-in
Modem / LAN	RJ11, RJ45
Power	1(5pie)
HDMI Port (New)	1 (High Definition Multimedia Interface)
Input Devices	
Key board	88key : US,KOR,RUSSIA,UKRINA,THAI 89KEY : UK FRA, GER, SPAIN,SWISS,PORTUGAL
	Travel length 2.6mm/ Key Pitch 19.05mm
Touchpad	Synaptics Touchpad (Plat type with Scroll area)
Easy Button	Vista : Hot start, XP : AVS
Multi Memory Card Slot	
Controller	R5C843
Type	Memory stick / Memory stick pro / SD / xD / MMC (High speed MMC)

2. Introduction and Specification

Power and Power Management	
Battery	**3UR18650F-2-SDN-12(6cells, Smart Li-Ion Battery)**
Dimension	204x48.05x21.4mm
Weight	330g (max)
Recharge Time	2 hours to 100% with Windows on & off
Battery Life	over 2.5hour (Battery mark 4.01)
Details of Cell	6cells (2Parallel 3Serial)
Voltage	11.1Vdc
Battery Capacity	2600mAh/cell
Battery Rating	11.1V / 5200mAh (57.72Wh)
Battery (Option**)**	**AA-PL2NC9B (9cells, Smart Li-Ion Battery)**
Dimension	204x67.0x21.4mm
Weight	470g (max)
Recharge Time	3 hours to 100% with Windows on & off
Battery Life	over 9.0hour (Battery mark 4.01)
Details of Cell	9cells (3Parallel 3Serial)
Voltage	11.1Vdc
Battery Capacity	2600mAh/cell
Battery Rating	11.1V / 7800mAh (86.58Wh)
AC Adapter	**AD-9019S**
Output Power	90Watts
Dimension	133 X 58 X 30.5mm
Weight (AC Adapter)	420g (typ)
Worldwide Compatibility	Auto-sensing 100 - 240VAC
Line Frequency	50 / 60Hz
Adapter Rating - Input	100V - 240V, 1.4A
Adapter Rating - Output	19.0VDC / 4.74A
Power Management Features	ACPI 3.0 support, Standby(S3), Hibernate(S4)
System Dimensions	
Dimensions (W X D X H)	358 x 264 x 28.6 ~ 36.6 mm
Weight (Full system w/ 6cell Battery)	**2.7kg**
	Status : No options, 6cell battery, 15.4" LCD
Materials	LCD back / Front : PC/ABS
	Bottom / Top : PC/ABS

2. Introduction and Specification

3) Specification comparison between R55 and R70

	R55	R70
CPU	Intel Core Solo T1300, T1400 Intel Core Duo T2300~2700.	**667/800MHz Intel Core 2 Duo Processor (Merom)**
Chipset	945GM/PM (Calistoga)	**PM965(Crestline)**
Memory	DDR2 533 / 667MHz	**DDR2 533 / 667MHz**
Graphic	Intel 950 GMA Solution nVIDIA GF 7600, 7400	**nVIDIA Geforce 8600M GS** **nVIDIA Geforce 8400M GS**
LCD	15.4" WXGA Glare	**15.4” WXGA, WSXGA+ Glare**
HDD	PATA	**SATA**
ODD	12.7mm	**12.7mm**
Port	4USB, CRT, SVHS, 1394(6pin), Headphone/MIC, RJ45, RJ11, PC-Card, 6-in-1	**3USB, CRT, Headphone/MIC, RJ45, RJ11(Option), HDMI, PC-Card, 6-in-1**
Battery	6cell / 9cell	**6cell / 9cell(Option)**
Design	Proto type	**2nd Proto type**

2. Introduction and Specification

4) Option List

HDD		
BA59-01999A	HTS541660J9SA00	5400rpm, , 60G, SATA, 8M
BA59-01946A	MHV2060BH-PL	5400rpm, , 60G, SATA, 8M
BA59-02084A	MHW2060BH	5400rpm, , 60G, SATA, 8M
BA59-02038A	HM060HI	5400rpm, , 60G, SATA, 8M
BA59-02001A	HTS541680J9SA00	5400rpm, , 80G, SATA, 8M
BA59-01947A	MHV2080BH-PL	5400rpm, , 80G, SATA, 8M
BA59-02085A	MHW2080BH	5400rpm, , 80G, SATA, 8M
BA59-02009A	ST980815AS	5400rpm, , 80G, SATA, 8M
BA59-01742A	HTS541010G9SA00	5400rpm, , 100G,SATA , 8M
BA59-01948A	MHV2100BH-PL	5400rpm, , 100G, SATA, 8M
BA59-02086A	MHW2100BH	5400rpm, , 100G, SATA, 8M
BA59-02014A	HM101JI	5400rpm, , 100G, SATA, FFS
BA59-02010A	ST9100828AS	5400rpm, , 100G, SATA, 8M
BA59-02002A	HTS541612J9SA00	5400rpm, , 120G, SATA, 8M
BA59-01957A	MHV2120BH-PL	5400rpm, , 120G, SATA, 8M
BA59-02087A	MHW2120BH	5400rpm, , 120G, SATA, 8M
BA59-02013A	hm121JI	5400rpm, , 120G, SATA, FFS
BA59-02039A	HM120JI	5400rpm, , 120G, SATA, 8M
BA59-02011A	ST9120822AS	5400rpm, , 120G, SATA, 8M
BA59-02003A	HTS541616J9SA00	5400rpm, , 160G, SATA, 8M
BA59-02012A	ST9160821AS	5400rpm, , 160G, SATA, 8M
BA59-02110A	MHW2160BH-PL	5400rpm, , 160G, SATA, 8M
LCD		
BA59-01814A	15.4" WXGA	LTN154X3-L03-C
BA59-02105A	15.4"WSXGA+	LTN154P4-L02

2. Introduction and Specification

MEMORY		
1105-001683	DDR2 667Mhz 512MB	M470T6554CZ3-CE6
1105-001684	DDR2 667Mhz 1GB	M470T2953CZ3-CE6
1105-001783	DDR2 667MHz 512MB	NT512T64UH8B0FN-3C
1105-001790	DDR2 667MHz 1GB	NT1GT64U8HB0BN-3C
CPU		
0902-002196	T_T7100(Merom Dual Core)	1.8Ghz(FSB800) 2MB
0902-002197	T_T7300(Merom Dual Core)	2.0Ghz(FSB800) 4MB
0902-002198	T_T7500(Merom Dual Core)	2.2Ghz(FSB800) 4MB
0902-002199	T_T7700(Merom Dual Core)	2.4Ghz(FSB800) 4MB
BATTERY		
BA43-00150A	BATTERY	3UR18650F-2-SDN-12,Sedona,Li-ion,2P3S,5200mAh
BA43-00149A	BATTERY	P32R07-02-H01,SEDONA,LI-ION,2P3S,5200mAh
BLUETOOTH		
BA59-01691A	MODULE-BLUETOOTH	Bluetooth V2.0,T60H928.01,Bluetooth Module,USB I/F,V2.0,C
BA59-01916A	MODULE-BLUETOOTH	Bluetooth Version 2.0,BTO2P0B2SA,Bluetooth Module,
ROBSON		
0904-002253	ROBSON 512MB	NVCPEMW0512M1,-,52P,30x50.95mm
0904-002254	ROBSON 1G	NVCPEMWR001G1,-,52P,30x50.95mm

2. Introduction and Specification

ODD 		
BA96-03223A	S_MULTI(DV228EC)	TEAC
BA96-03241A	S_MULTI(UJ-850)	MATSUHITA
BA96-03242A	S_MULTI(TS-L632D)	TSST
BA96-03243A	S_MULT ScriveI(TS-L632M)	TSST
BA96-03222A	COMBO(DW-224E-R)	TEAC
BA96-03239A	COMBO(TS-L462D)	TSST
BA96-03245A	DVD(TS-L332A)	TS-L332A
WLAN_GOLAN 		
BA59-01723A	802.11a/b/g	WM3B3945AGKOR
BA59-01722A	802.11a/b/g	WM3B3945AGROW
BA59-01721A	802.11a/b/g	WM3B3945AGMOW1
BA59-01724A	802.11a/b/g	WM3B3945AGMOW2
WLAN_MIMO 		
BA59-02065A	802.11a/b/g/n	4965AGN KOR
BA59-02064A	802.11a/b/g/n	4965AGN ROW
BA59-02062A	802.11a/b/g/n	4965AGN MOW1
BA59-02063A	802.11a/b/g/n	4965AGN MOW2

2. Introduction and Specification

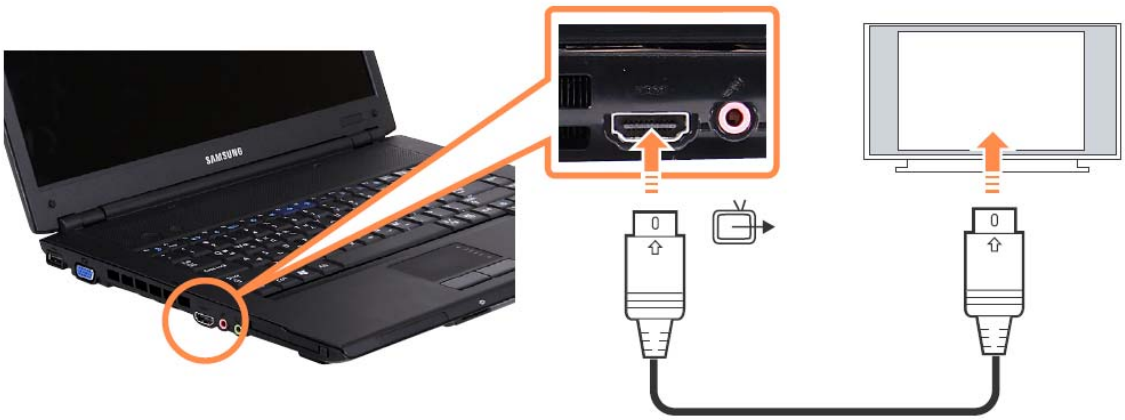
5) New added function

5)-1. Camera (Option)

Easy use of taking a picture and moving image..

5)-2. HDMI Port

Convenient connection with TV through HDMI port.



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5)-3. HD-DVD, Blue-Ray

HD-DVD is a next generation storage media that can save more data than the existing DVD format. Users can record and play better quality HD movies than the existing SD-grade DVD fomat

Type	HD DVD	DVD	CD
Logo			
Storage Capacity	15 GB / 30 GB	4.7 GB / 8.5 GB	0.65 GB
Data Rate	36.55 Mbps	11.08 Mbps	7.8 Mbps
Supported Resolution	1920 X 1080(i)	720 X 480	320 X 240

* Date Rate: The amount of data that can be read or written onto a storage media per second.

Supported Disk Types

HD DVD supports the following disk types.

Type	Function
HD DVD-ROM	Reads HD DVD disks.
HD DVD-R	Reads HD DVD disks and writes data onto HD DVD disks once.
HD DVD-RW	Reads HD DVD disks and writes data onto HD DVD disks repeatedly.

Blu-ray is a next generation storage media that can save approximately 5 to 10 times more data than the existing DVD format. Users can record and play better quality HD movies than the existing SD-grade DVD format.

Type	Blu-ray	DVD	CD
Logo			
Storage Capacity	25 GB / 50 GB	4.7 GB / 8.5 GB	0.65 GB
Data Rate	36 Mbps	11.08 Mbps	7.8 Mbps
Supported Resolution	1920 X 1080(i)	720 X 480	320 X 240

* Date Rate: The amount of data that can be read or written onto a storage media per second.

Supported Disk Types

Blu-ray supports the following disk types.

Type	Function
BD-ROM	Reads Blu-ray disks.
BD-R	Reads Blu-ray disks and writes data onto Blu-ray disks once.
BD-RE	Reads Blu-ray disks and writes data onto Blu-ray disks repeatedly.

2. Introduction and Specification

5)-4. New Keyboard

United Kingdom

United States

2. Introduction and Specification

Shortcut Keys

You can use the following functions by pressing the keys below with the **Fn** key.

Fn+	Name	Function
	REST (Sleep Mode)	Switches to Sleep mode. To wake the computer up, press the Power button.
	Gauge	Shows the remaining battery charge. You can only use this function when the Easy Display Manager program is installed.
	Euro	Enters the Euro monetary unit symbol. This key may not be provided depending on the keyboard type.
	CRT/LCD	Switches the screen output to the LCD or external monitor when an external monitor (or TV) is connected to the computer. p. 59
	Backlit	Turns the LCD backlight on or off.
	Mute	Mutes or cancels mute.
	Samsung Magic Doctor	System diagnosis, recovery and Internet consultation program, Samsung Magic Doctor, will be launched.
	Easy SpeedUp Manager	You can select operation mode when you need maximum system performance or low-noise/low power consumption with one-click. ■ **Silent:** Low-noise and low power consumption mode ■ **Normal:** Normal Mode ■ **Speed:** Maximum performance mode. The system operates in its maximum performance, and system resources are allocated to the currently active program with priority for maximum performance.
	Wireless LAN	Turns the wireless LAN function on or off in models with wireless LAN capability.
	Touchpad	Turns the Touchpad function on or off. When using an external mouse only, you can turn the Touchpad off.
	Num Lock	Turns the numeric keyboard on or off.
	Scroll Lock	If you turn the Scroll Lock on, you can scroll the screen up or down without changing the cursor location in some applications.

2. Introduction and Specification

Screen Brightness Control

To adjust the LCD brightness press the **Fn** + ( ) key combination or the **Fn** + ( ) key combination. The changed screen brightness is displayed at the center of the screen for a moment.

Volume Control

To control the volume, press the **Fn** + ( ) key combination or the **Fn** + ( ) key combination.
You can mute the sound or cancel the mute function by clicking the **Fn** + ( ) key combination.

Numeric Key

The numbers are printed in blue on the numeric keys.
If Num Lock is turned on by pressing the **Fn** + ( ) key combination, you can use the numeric keys to enter digits.

Other Function Keys

- **Application Key** ( )

  Performs the right-click mouse function (touchpad).

- **Internet Explorer Quick Launch Key** ( )

  Launches Internet Explorer.

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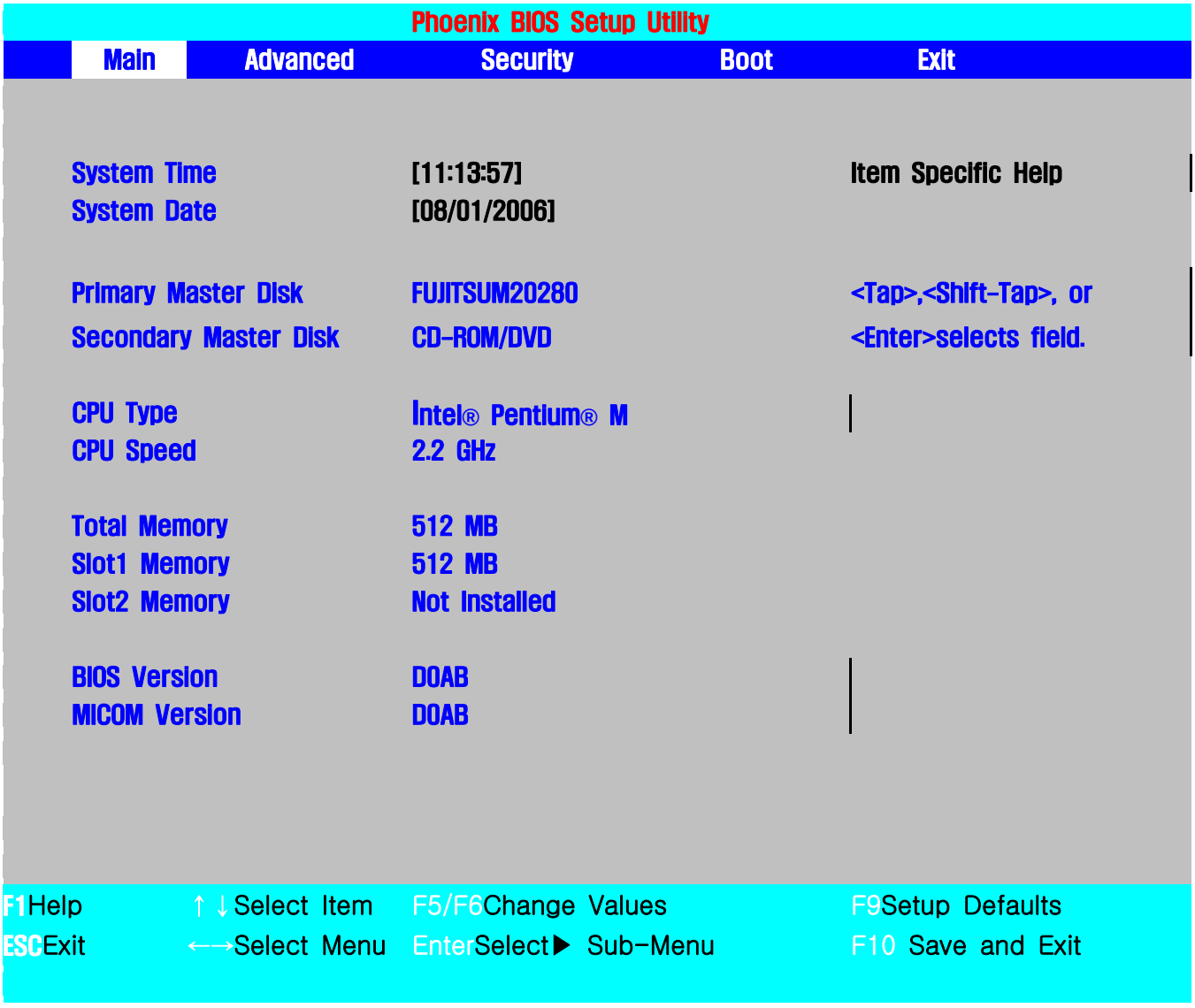
6) System Setup (BIOS Setup)

워크시트

MAIN

Primary Master
 => Applied HDD information.
Secondary Master
 => Applied ODD device information.
Total Memory
 => System total Memory.
Slot1 Memory
 => Applied Memory Capacity at the Slot1.
Slot2 Memory
 => Applied Memory Capacity at the Slot2.



2. Introduction and Specification

Advanced

Core Multi-Processing
 => If this function is diabled, one of the core can be disabled.

Touch Pad Mouse
 => Touchpad function can be enabled/disabled with this option. If this is disabled, the setting is maintained in next booting. For reference, If touchpad function is disabled with Fn+F10, the setting is enabled in next booting.

Legacy USB Support
 => Legacy USB Device can support or not with this option. If this functionis enabled the system can boot to USB device.

Large Disk Access Mode
 => Should be set "[DOS]".

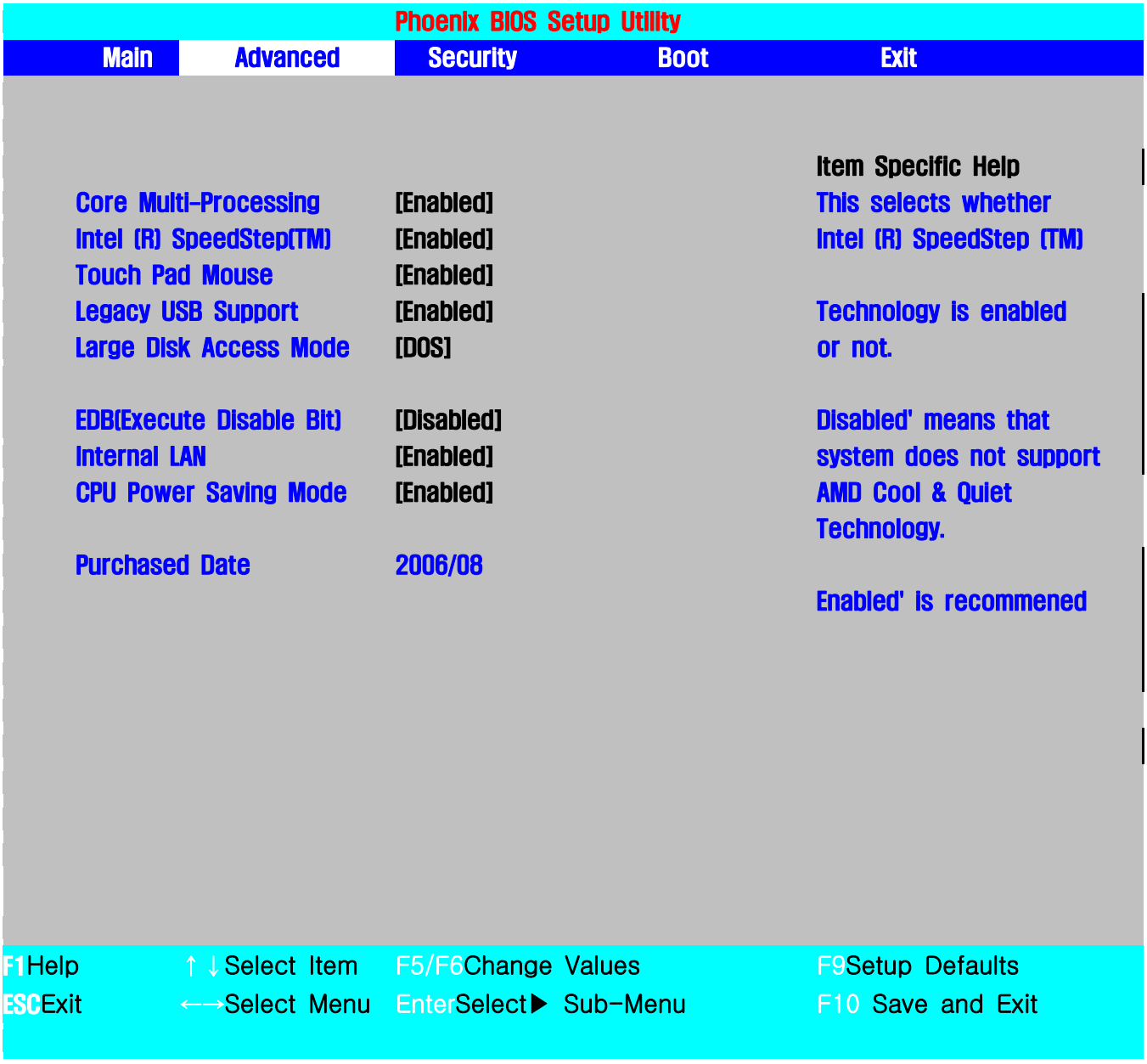
EDB (Execute Disable Bit)
=> If this option is enabled, the system can use Intel Execute Enable Bit.

Internal LAN Device
 => Can decide use of Internal LAN with this option.

CPU Power Saving Mode
 => If this option is enabled, the system can be entered to C3 state, so users can save their power consumption, but can happen a little performance drop.

Purchased Date
 => The date 10 times boot since user have bought.

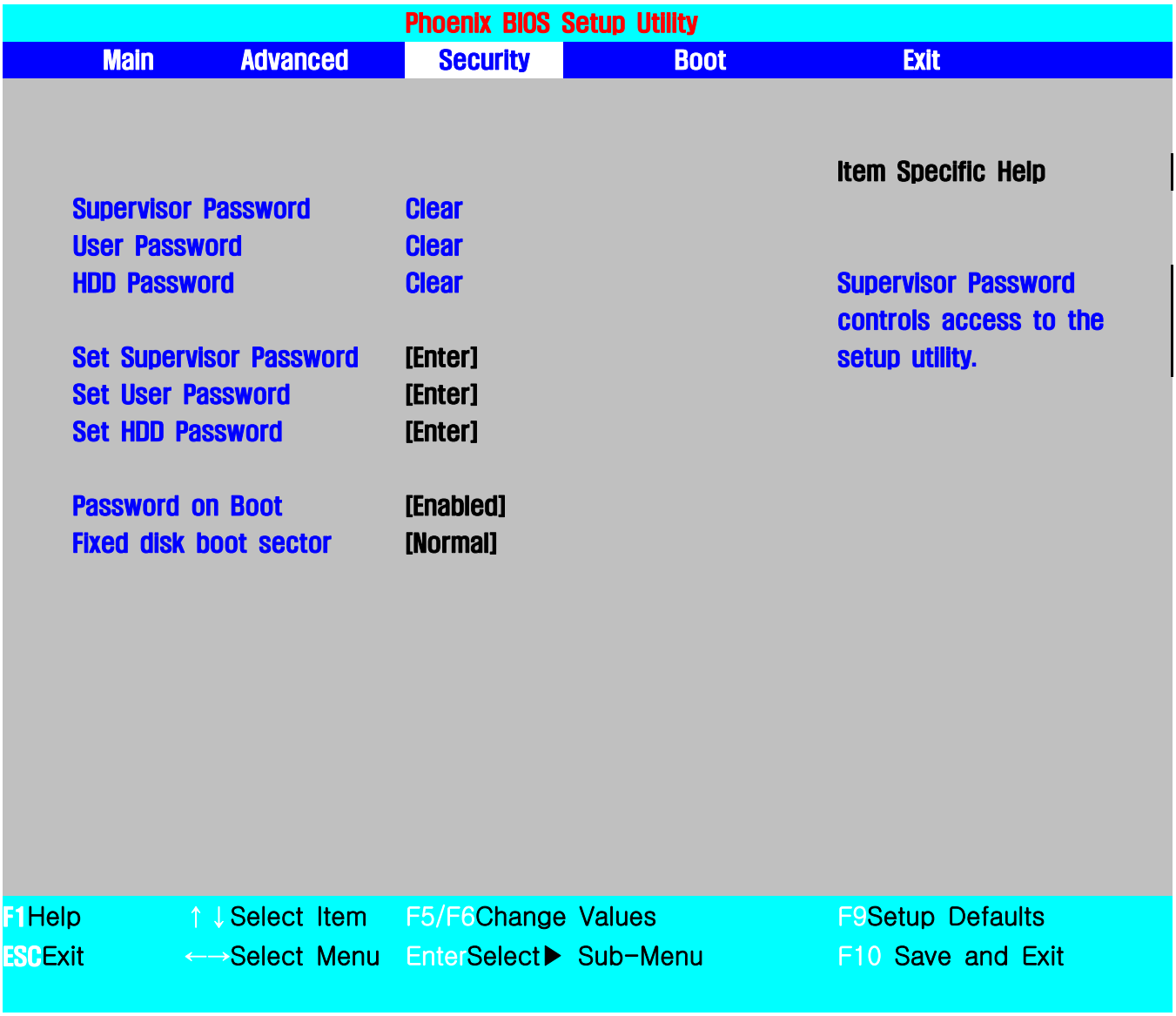
2. Introduction and Specification


Phoenix BIOS Setup Utility
Main
Advanced
Security
Boot
Exit
Item Specific Help
Core Multi-Processing [Enabled]
Intel (R) SpeedStep(TM) [Enabled]
Touch Pad Mouse [Enabled]
Legacy USB Support [Enabled]
Large Disk Access Mode [DOS]
EDB(Execute Disable Bit) [Disabled]
Internal LAN [Enabled]
CPU Power Saving Mode [Enabled]
Purchased Date 2006/08
This selects whether Intel (R) SpeedStep (TM) Technology is enabled or not.
Disabled' means that system does not support AMD Cool & Quiet Technology.
Enabled' is recommened
F1Help ↑ ↓Select Item F5/F6Change Values F9Setup Defaults
ESCExit ←→Select Menu EnterSelect▶ Sub-Menu F10 Save and Exit

2. Introduction and Specification

Security

set Supervisor Password
 => Can set Supervisor Password.
set User Password
 => Can set User Password.
set HDD Password
 => Can set HDD Password.
Password on Boot
 => If users use this function, the users need the password when they boot the system.
    Supervisor Password should be set before use of this function.
Fixed Disk Boot Sector
 => If [Write Protect] is selected, users can't use the Boot sector of HDD.



2. Introduction and Specification

Boot

Boot Device Priority
 => Can set the boot device priority.

NumLock
 => Can set the use of NumLock key when booting.

Enable Keypad
 =>
[Only By Fn Key] : Numeric key can be recognized, only case the Fn key is pressed simultaneously.
[By NumLock] : Numeric key can be recognized when Numlock is on state.

Summary Screen
 => Can set whether the system information is shown or not when booting.

Boot-time Diagnostic Screen
 => Can set Samsung logo screen.

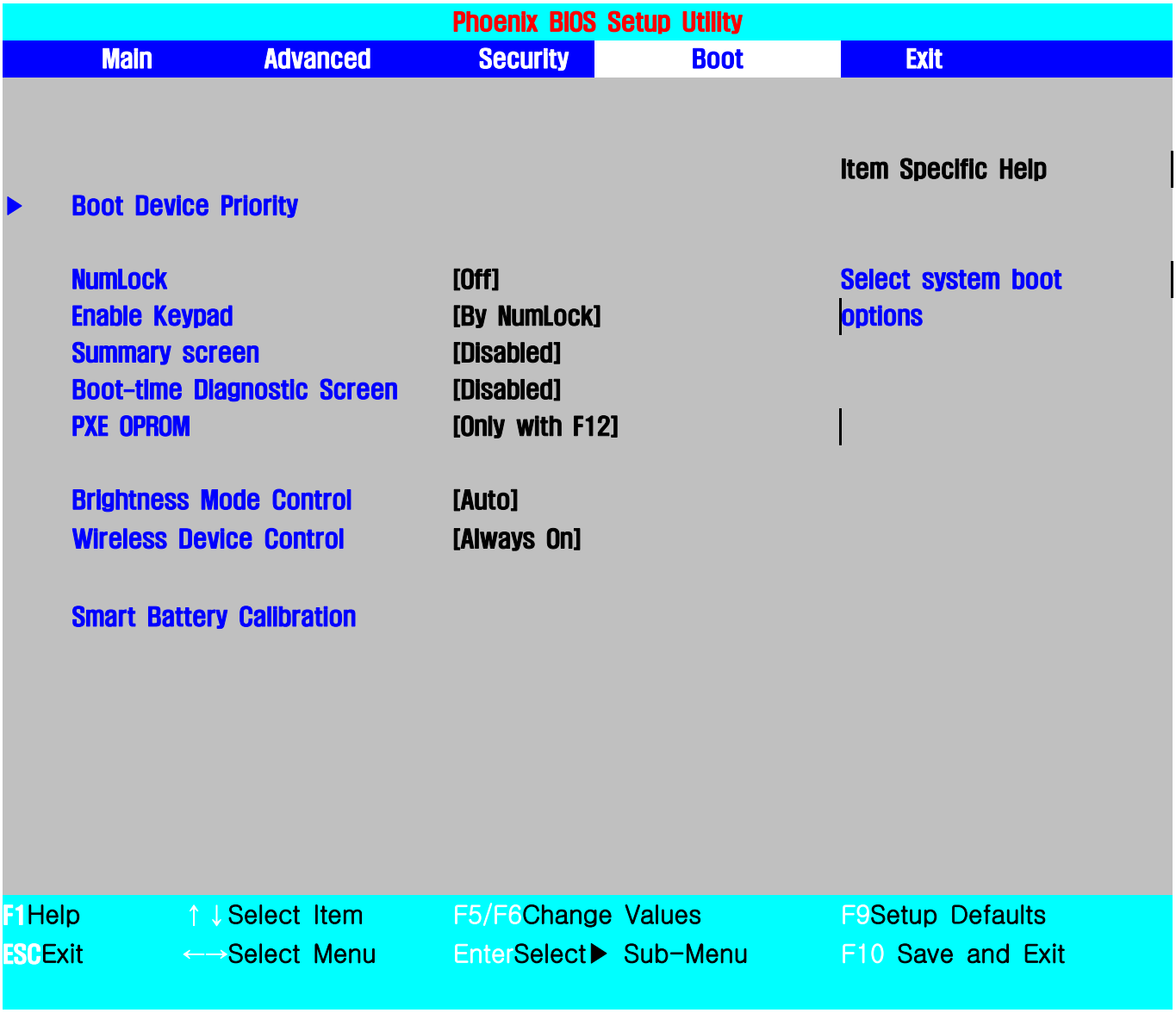
PXE Oprom
 => Can set whether the PXE Oprom is always initialized or not.
General Users will not use of network boot, so [Only with F12] option is recommended.

Brightness Control Mode
 => [Auto] The brightness level is "1" in case battery state when resume from S3 or booting, and when adapter is de-inserted from system.
 =>[User Control] : Remember the setting by users.

Wireless Device Control
 => [Always On] : Wireless LAN is always on.
 => [Last Status] : Remember the last status.

Smart Battery Calibration
 => Battery Calibration.

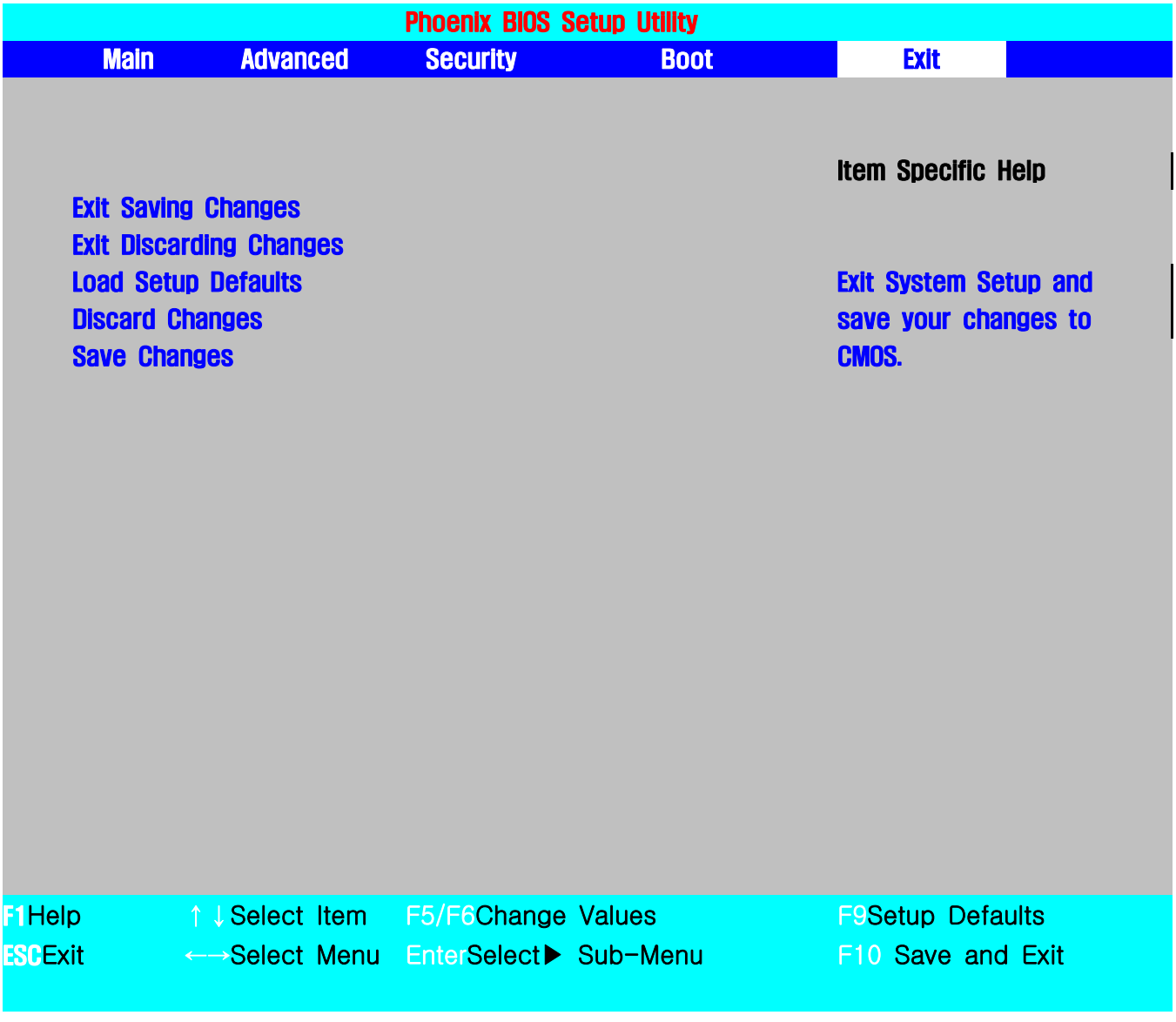
2. Introduction and Specification



2. Introduction and Specification

Exit

Exit Saving changes
 => Exit after save the change.
Exit Discarding Changes
 => Exit without any save.
Load Setup Defaults
 => Set the all setting to default value.
Discard Changes
 => Recovery the change option to previous setting.
Save Changes
 => Save changes.



2. Introduction and Specification

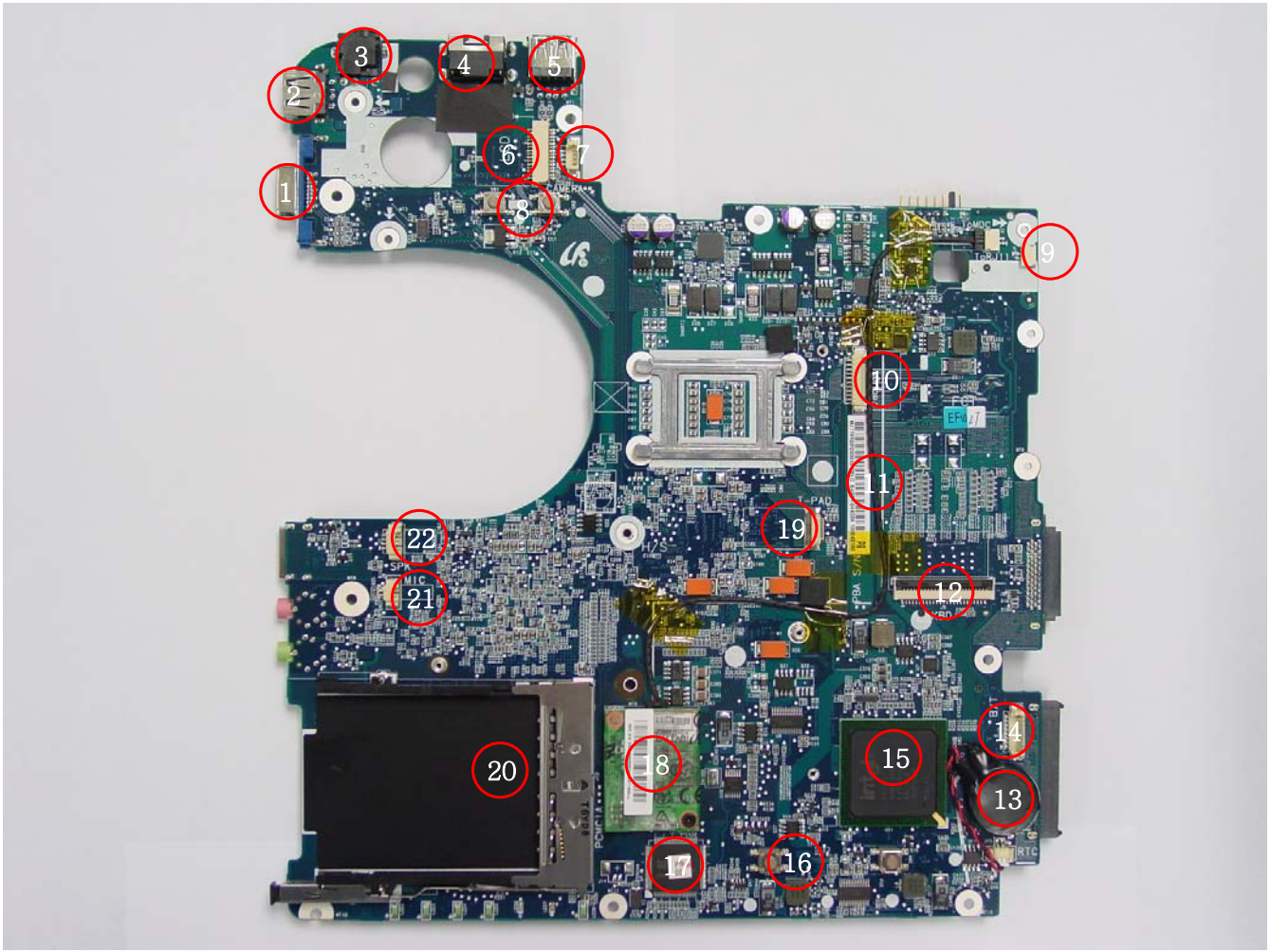
BIOS Vendor

- BIOS Vendor : Phoenix

2. Introduction and Specification

7) Mainboard Part Description.

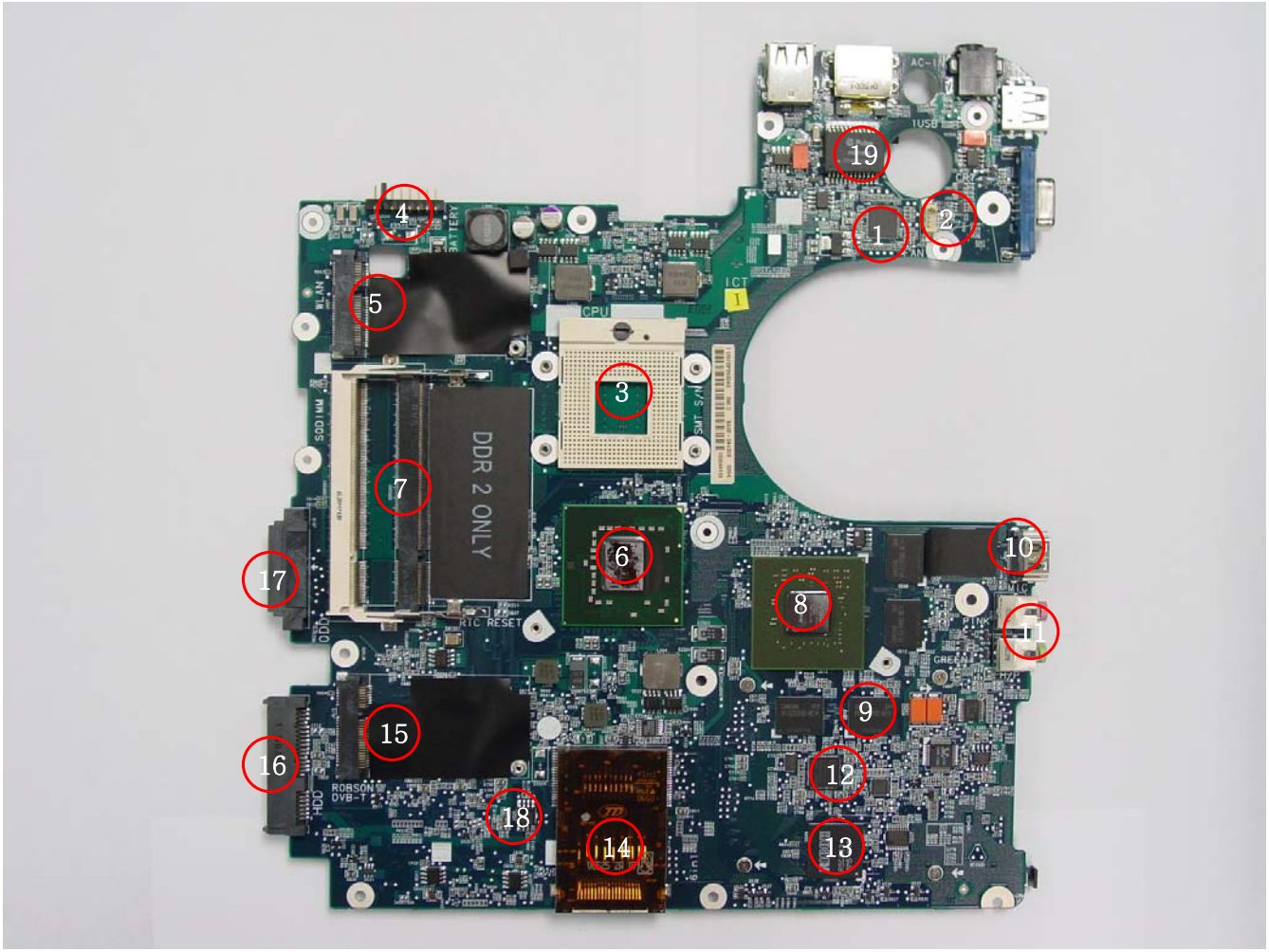
7)-1. Top



1	CRT connector (J504)	2	1-stack USB connector (J502)
3	DC-Jack (J500)	4	RJ45 connector (J501)
5	2-stack USB connector (J503)	6	LCD connector (J1)
7	Camera connector (J2)	8	Power & Hot start switch (SW1,2)
9	MDC cable connector (J4, Option)	10	Debug connector (J5)
11	MDC cable (on board, Option)	12	KBD connector (J9)
13	RTC battery	14	Bluetooth connector (J10)
15	ICH8M (U11)	16	Touchpad button (SW3,4)
17	MICOM (U516)	18	MDC modem (Option)
19	Touchpad FFC connector (J9)	20	PCMCIA Frame (J12)
21	MIC connector (J8)	22	Speaker connector (J7)

2. Introduction and Specification

7)-1. Bottom



1	LAN controller (U505)	2	FAN connector (J505)
3	CPU socket (J508)	4	Battery connector (J506)
5	Minicard connector (WLAN, J507)	6	MCH (U510)
7	DDR2 connector (DDR500, 501)	8	GFx controller (U513)
9	GDDR3 Memory (U519,520,508,512)	10	HDMI connector (J509)
11	Headphone, MIC jack (J512, J511)	12	Clock generator (U524)
13	Cardbus controller (U529)	14	6in1 connector (J514)
15	Minicard connector (DVB-T or Robson, J513)	16	SATA connector (JHDD500)
17	ODD connector (J510)	18	SPI ROM (U528)
19	LAN transformer (LT500)	20	